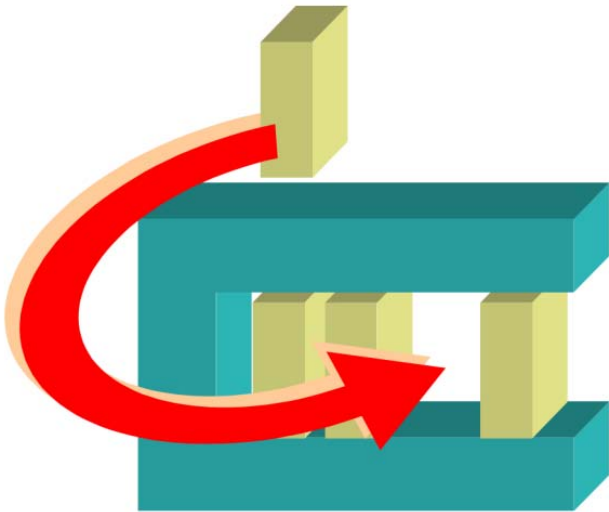


# SIEMENS



**DMS8000 MP4.xx**

**Geutebrück MultiScope DVR  
Add-on module**

Installation

Configuration

**Building Technologies**

Fire Safety & Security Products



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# 1 About this document

## Purpose

This manual is intended as a guide to the installation and configuration for the integration of Geutebrück Video systems in MM8000 management stations.

This guide is part of the general DMS8000 engineering documentation set which includes the Composer Technical Manual, the other DMS8000 Connectivity Guides (the complete list includes: Network, Fire, Intrusion, Access Control, Video, and OPC), and the Installation, Configuration, and Commissioning manual (ICC) for each specific product.

## Scope

This document applies to the **MM8000 Management Station MP4.15** and higher.

## Target audience

This documentation is intended for the following users:

- Project Managers
- Project Engineers
- Commissioning Personnel

It is assumed that individuals performing the operations described in this manual have prior expertise and training in the field of safety and security, at least a moderate level of familiarity with the Siemens Building Technologies product line, and experience with the installation, configuration, and commissioning of security management systems.

## Documentation resource information

The *DMS8000 Documentation Resource Information and Glossary Guide* assembles important information regarding documentation resources. This document contains the following:

- Comprehensive definitions of the target audiences for Siemens FS DMS documents
- Training program information including the Siemens intranet link
- A complete list of all available DMS8000 documents
- Instructions for how to obtain a document via the Siemens intranet using the Siemens Asset Portal
- A map of relevant documents for each target audience group
- Customer Support links & resources
- A glossary containing definitions of all terms and acronyms used in DMS8000 documentation

To access the *DMS8000 Documentation Resource Information and Glossary Guide* (document no. A6V10089056), go to the link and follow the document search instructions below:

<http://assetportal.bt.siemens.com/portal/index.html>

1. In the Search column on the left, set:
  - Segment: **04 Fire -3F**
  - Document Type: **All**

- Image Type: **All**
  - Advanced search criterias: Select **Brochure No.** and enter the document number to search for (*A6V10089056*). Alternatively, select **Title** and enter the product name (*DMS8000*).
2. Click **Search** to start.
  3. In the resulting area on the right, click on **Contents** link to show the list of search results.

For more information such as Siemens news and announcements, visit the STEP Web portal at:

<https://workspace.sbt.siemens.com/content/00001123/default.aspx>

## Operational and safety regulations



Before groups of persons begin work on the system, they must have read and understood the Safety Regulations [→ 7] section in this manual.

### Liability disclaimer for damage or injuries

Before products are delivered, they are tested to ensure they function correctly when used properly. Siemens disclaims all liability for damage or injuries caused by the incorrect application of the instructions, or the disregard of danger advisories. This disclaimer applies in particular to personal injuries or damage caused by:

- Improper and/or incorrect use.
- Disregard of safety instructions in the documentation or on the product.
- Poor maintenance or a lack of maintenance.

We have checked the contents of this manual for agreement with the hardware and software described. Since deviations cannot be precluded entirely, we cannot guarantee full agreement. However, the data in this manual are reviewed regularly and any necessary corrections are included in subsequent editions. Suggestions for improvement are welcome.





### Copyrights and registered trademarks

Brand or product names mentioned in this document may be names protected by copyright law or registered trademarks of other companies. These are mentioned only for identification purposes and have no recommendatory character in regard to the product or manufacturer, unless otherwise stated.

### Documentation Conventions

The following table lists conventions to help you use this document in a quick and efficient manner.

Convention	Examples
Numbered Lists (1, 2, 3...) indicate a procedure with sequential steps.	<ol style="list-style-type: none"> <li>1. Turn OFF power to the field panel.</li> <li>2. Disconnect the power cord.</li> <li>3. Open the cabinet.</li> </ol>
One-step procedures are indicated by a bullet point.	<ul style="list-style-type: none"> <li>● Expand the Event List.</li> </ul>

Conditions that you must complete or must be met before beginning a procedure are designated with a ▷. Results, after completing a step or at the end of the entire procedure, are designated with a ⇨.	▷ The report you want to print is open.  1. Click the <b>Print</b> icon  . ⇨ The <b>Print</b> dialog box appears. 2. Select the <b>printer</b> and click <b>Print</b> . ⇨ The print confirmation appears.
<b>Bold</b> font in a procedure indicates something you should select or type.	Type <b>F</b> for Field panels. Click <b>OK</b> to save changes and close the dialog box.
Menu paths are indicated in <b>bold</b> .	Select <b>File &gt; Text, Copy &gt; Group</b> , which means from the <b>File</b> menu, then select <b>Text, Copy</b> and finally <b>Group</b> .
Error and system messages are displayed in Courier New font.	The message <i>Definition successfully renamed</i> displays in the status bar.
<i>Italics</i> are used to emphasize a term.	The Open Processor continuously executes a user-defined set of instructions called the <i>control program</i> .
	This symbol signifies a Note. Notes provide additional information or helpful hints.
 Caution	This is a Caution message and indicates that minor or moderate injury or property damage may occur if a procedure is not followed.
 Warning	This is a Warning message and indicates that a serious injury or a severe equipment and property damage may occur if a procedure is not followed.
Cross references to other information in printed material are indicated with an arrow and the page number, enclosed in brackets: [->92]	For more information on creating flowcharts, see Flowcharts [->92].

## Modification index

**Note:** For versions more than four years old, please visit the Siemens Asset Portal.

Version	Date	Notes
A6V10067792_a_en	06.2009	DMS8000 4.20.

## 2 Safety regulations

This section describes the danger levels and the relevant safety regulations applicable to the use of the products described in this manual. Please read the following work instructions as well as the preceding section *About this document* thoroughly before beginning any work.

### 2.1 Country-specific standards

Siemens products are developed and produced in compliance with the relevant international and European safety standards. Should additional country-specific, and/or local safety standards or regulations concerning project planning, installation, and/or operation of the product(s) apply, then these standards and/or regulations must also be taken into account, in addition to the safety regulations mentioned in the product documentation.

### 2.2 Commissioning and testing

- Activate security-, fire- and third party systems or devices *only* in the presence of the person responsible.
- Abide by the safety regulations of the connected sub-systems when working on management stations. This especially applies when switching-off system components.
- Inform people before the testing of alarm devices; take the possibility of panic reactions into account.
- Inform the alarm and fault receiving stations connected to the system before carrying out any tests.

### 2.3 Modifications to system design and products



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Modifications to a system or to individual products may cause faults or malfunctioning.

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Please request written approval from Siemens Building Technologies, FS-DMS, and the relevant authorities concerning intended system modifications and system extensions.

## 3 Introduction

Geutebrueck Company provides video security solutions, including MultiScope (MSC) DVR video recording systems that can be integrated in MM8000 management stations.

### Geutebrück MultiScope (MSC) DVR

The Geutebrück MultiScope (MSC) is a family of Digital Video Recorders capable of acquiring the video signals from 4, 8, 16 or 32 cameras, showing the images on a local monitor, and storing them in digital form on local hard disks.

- Options are also available for video outputs and input/output management
- The host connection is based on a TCP/IP connection on a LAN network

Two basic MultiScope models and a total of 12 variants can be configured in the MM8000 Video Network. Namely:

- MultiScope II Plus, handling 4, 8, 2x4 dual-speed, 16, 4x4 quad-speed, and 32 video inputs.
- MultiScope III, supporting 4, 8, 2x4 dual-speed, 16, 4x4 quad-speed, and 32 video inputs.

MSC models and variants only differ on the number of cameras, and their configuration in Composer is exactly the same (as illustrated in this section).



In the Geutebrück MultiScope DVRs, MM8000 only supports the video and monitoring functions related to camera inputs.

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In case of network-distributed solutions, be aware that DCOM security must be configured in order to enable the correct communication over the network. In general, the MM8000 internal user (see MM8000 Installation, Configuration, and Commissioning manual) must be recognised by the server (i.e. defined locally on the server computer or at domain level) and granted the DCOM permissions for the Video server process (DCOMCNFG settings). Also, the computer running MM8000 should be configured in order to grant access the user of the video server.

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## 4 Installation

The add-on package is provided in the MM8000 product DVD as add-on. It can be installed using the standard Add-on Manager.

### 4.1 Software installation

#### 4.1.1 Software License

MM8000 license must include specific items for the add-on, for the driver, and for the required DVR units.

Therefore, the required license includes:

- WW8000 Composer (project configuration and download): Composer License or Service key
- MM8000 core, no. of subsystems.  
This license should include the number of DVR units.
- Add-on license
- Geutebrück driver license

Other licenses, covering more MM8000 options, may or may not be used and they are not related to the add-on module support.

## 4.1.2 Installing the Add-on module

The following are the installation procedures for the add-on module.

1. Start the **Add-on Manager**.
  - From the Windows **Start** menu, select the following:  
**Start > DMS8000 > Tools > Add-on Manager**
  - ⇒ The **Add-on Manager** window appears.
2. In the list of **MM8000 Add-Ons/Name**, select the **name of the module** you wish to install
  - OR -- (if the name of the add-on is not in the list on the screen):  
click **Browse**, locate the installation files of the add-on module, and select the text file (**Extension Product Name.txt**) in the root folder.
3. If your installation includes a customized *MM8000 internal account*, then deselect the check box **Use default MM8000 User account** and specify the customized username and password.  
**Note:** For information about the MM8000 Internal Account, refer to *MM8000 internal user account* section of the MM8000 ICC, doc.no. A6V10062413\_a\_en.
4. Click **Install** (or **Update** if a previous version was detected).

### 4.1.2.1 Multiple add-on's installation

In general, it is possible to install multiple add-on packages and benefit of their combined functionalities. However, specific incompatibilities might exist. Please check about possible problems in the documentation of all add-on modules that must be installed.

## 4.1.3 Removing the Add-on module

Add-on module cannot be uninstalled.

## 5 Configuration

### 5.1 Configuration checklist

Verify that you have satisfied the items needed in the first checklist before proceeding to the configuration checklist that follows.

#### Items Needed For Configuration

- The MultiScope model and variant, i.e. the number of video inputs
- The MultiScope parameter settings, including:
  - Local address (0 to 99)
  - IP address
- The camera connections
- Video application required for integrating Geutebrück MultiScope:
  - Geutebrück Multiview
- Plug-ins needed:
  - #252101 (ST DV SIVMS/ST VD OPC)
  - #353801 (OPCDVRST/OPC DVR ST)



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**Note:** Plug-ins are installed during the software setup procedure. You can check that the Plug-ins are actually available using the **Composer Plug-in Installer** in the DMS8000 start menu.

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#### Configuration overview

1. Add the Video Network Manager.
2. Add the folder for the MultiScope system.
3. Add the MultiScope node.
4. Configure the MultiScope variant and addresses.
5. Connect the cameras.

### 5.2 Configuration procedure

The following are the configuration procedures for a MultiScope unit:

#### Adding the Video Network Manager

1. Open the Composer project.
2. If not already done, add
  - the Video Network Manager
  - and the MultiScope driver.

#### Adding the folder for the MultiScope system

- Optionally, create a folder for the MultiScope unit.

## Adding the MultiScope node

1. Select the new folder.
2. Click the **Video** menu .
3. Select the **Geutebrueck DVR** icon  to add a MultiScope node.



**Note:** You can customise the default name of the new node typing in a new name in the **Description** field of the **Node** tab.

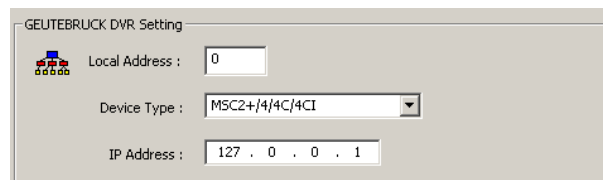
## Configuring the MultiScope variant and addresses

1. Select new **MultiScope** node and click the **Node** tab.
2. Select the model and variant of the DVR.
 

**Note:** By default, the model is set to the first option (4 camera inputs). If necessary, open the drop-down list of the 'Device Type' field and select one of the other options. The list includes:

  - MSC2+/4, MSC2+/4C, MSC2+/4CI: 4 camera inputs
  - MSC2+/8: 8 camera inputs
  - MSC2+/16: 16 camera inputs
  - MSC2+/32: 32 camera inputs
  - MSC2+/2x4: 8 camera inputs (dual speed)
  - MSC2+/4x4: 16 camera inputs (quad speed)
  - MSC3/4: 4 camera inputs
  - MSC3/8: 8 camera inputs
  - MSC3/16: 16 camera inputs
  - MSC3/32: 32 camera inputs
  - MSC3/2x4: 8 camera inputs (dual speed)
  - MSC3/4x4: 16 camera inputs (quad speed)

The Device Type selection only affects the number of camera inputs that are available in the Composer tree. Note that the device type cannot be set to a smaller model. Be aware that you can safely operate with a configuration larger than the actual device.
3. Fill in the address fields:
  - a. **Local address:** Enter a value from 0 to 99 according to the actual DVR setting (refer to the MultiScope documentation).
  - b. **IP address,** which should match the value set in the MultiScope (refer to the MultiScope documentation).



GEUTEBRUCK DVR Setting

Local Address :

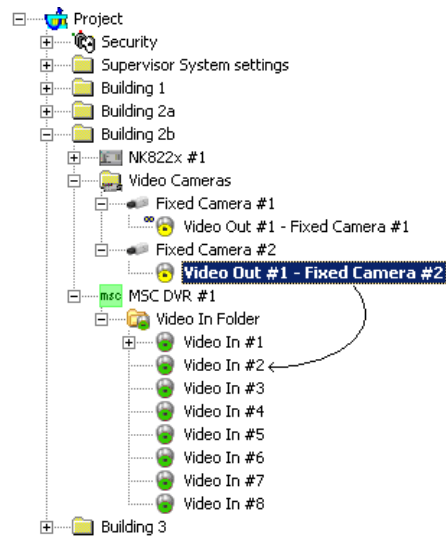
Device Type :

IP Address :

*MultiScope DVR settings*

## Connecting the cameras

1. Select and expand the **MultiScope** node.
2. Select and expand the MultiScope **Video In** folder.
3. Select and expand the **Video Camera** folder.
4. Select the **Video Out** node of the camera.
5. Drag and drop the **video signal** to the MultiScope **Video In** node.



*Connecting cameras to MultiScope*

## 6 Technical Notes

### 6.1 Limitations

Currently, the support of Geutebrück units is subject to the following limitations (please check latest news with customer support):

- Only 1 live video display per station at the time is possible.

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